

PATENT ABSTRACTS OF JAPAN

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(54) PROJECTING SCREEN

(57)Abstract:

PURPOSE: To allow the equal observation of high-brightness videos in a wide angle range covering the range between both ends of a stand by constituting the bead screen of microglass spheres which vary in refractive index and are mingled with each other.

CONSTITUTION: A glass bead layer 4 consists of substantially one layer of the aggregate layer in which 1st glass beads 41A made of, for example, crown glass having about 0.5mm spherical diameter and about 1.5 index and 2nd glass beads 41B made of high-refractive glass having about 0.5mm spherical diameter and about 1.93 index are nearly uniformly and demely dispersed and distributed in the respective parts at 2:1 ratio by the number of grains. This reflection type screen has a wide diffusion angle with the directivity of the reflected light exhibiting respectively 30° on the right and left. The high-brightness videos of the brightness nearly equal in the central part of this diffusion angle and in the respective parts of the entire diffusion angle of 30° on the right and left are observed.



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